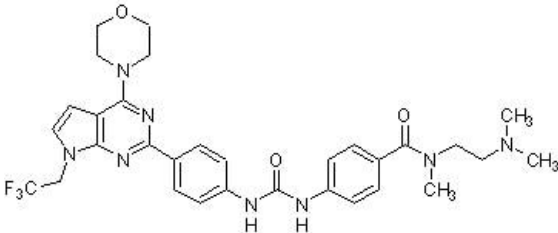


CAY10626, PI3K α /mTOR inhibitor ab120903

画像数 2

製品の概要

製品名	CAY10626, PI3K α /mTOR inhibitor
製品の詳細	Potent PI3K α /mTOR inhibitor
生理活性の詳細	Potent, dual PI3K α /mTOR inhibitor (IC ₅₀ values are 0.9 and 0.6 nM at PI3K α and mTOR, respectively). Inhibits tumor cell growth, suppresses phosphorylation of downstream targets of PI3K α and mTOR <i>in vitro</i> and promotes tumor regression <i>in vivo</i> .
精製度	> 98%
CAS 番号	1202884-94-3
構造式	

製品の特性

体系名	<i>N</i> -[2-(Dimethylamino)ethyl]- <i>N</i> -methyl-4-[[[4-[4-(4-morpholinyl)-7-(2,2,2-trifluoroethyl)-7 <i>H</i> -pyrrolo[2,3- <i>d</i>]pyrimidin-2-yl]phenyl]amino]carbonyl]amino]benzamide
分子量	624.66
分子式	C ₃₁ H ₃₅ F ₃ N ₈ O ₃
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 10 mM
使用に関する注意	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES 線形表記

O=C(NC1=CC=C(C(N(C)CCN(C)C)=O)C=C1)NC2=CC=C(C3=NC(N4CCOCC4)=C(C=CN5C
C(F)(F)F)C5=N3)C=C2

由来

Synthetic

アプリケーション

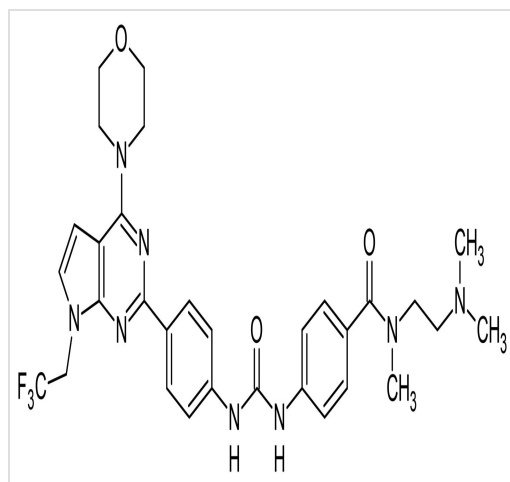
The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab120903の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

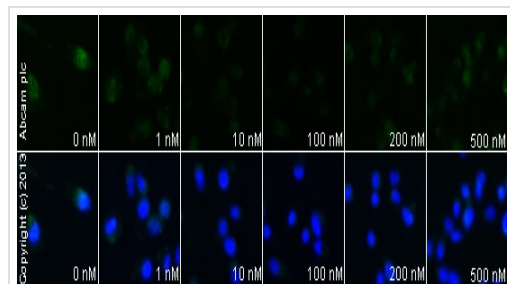
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - CAY10626, PI3Kalpha/mTOR inhibitor (ab120903)

2D chemical structure image of ab120903, CAY10626, PI3Kalpha/mTOR inhibitor



Functional Studies - CAY10626, PI3Kalpha/mTOR inhibitor (ab120903)

ab81283 staining AKT1 (phospho S473) in PC3 cells treated with CAY10626 (ab120903), by ICC/IF. Decrease of AKT1 (phospho S473) expression correlates with increased concentration of CAY10626, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120903 (CAY10626) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab81283** (1/100) dilution was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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